Hip fracture care clinical care standard indicators: 8a-Re-operation of hip fracture patients within 30-day follow-up

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# Hip fracture care clinical care standard indicators: 8a-Re-operation of hip fracture patients within 30-day follow-up

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| Identifying and definitional attributes | |
| Metadata item type: | Indicator |
| Indicator type: | Indicator |
| Short name: | Indicator 8a-Re-operation of hip fracture patients within 30 day follow-up |
| METEOR identifier: | 696453 |
| Registration status: | [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 12/09/2016 |
| Description: | Re-operation of [**hip fracture**](https://meteor.aihw.gov.au/content/629165) patients within 30-day follow-up. |
| Rationale: | Hip fracture re-operations substantially increase the burden of hip fractures on society and the individual, and are potentially preventable (Luthje 2014). |
| Indicator set: | [Clinical care standard indicators: hip fracture 2018](https://meteor.aihw.gov.au/content/696424)  [Australian Commission on Safety and Quality in Health Care](https://meteor.aihw.gov.au/RegistrationAuthority/18), Standard 15/05/2018 |
| Outcome area: | [Indicators of effectiveness](https://meteor.aihw.gov.au/content/628293)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 12/09/2016 |

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| Collection and usage attributes | |
| Computation description: | The numerator includes patients with a hip fracture requiring re-operation within 30 days following admission for the acute hip fracture episode of care. Include patients with any of the following procedures:   * reduction of dislocated prosthesis * washout or debridement * implant removal * revision of internal fixation * conversion to hemiarthroplasty * conversion to total hip replacement * girdlestone/excision arthroplasty * periprosthetic fracture.   Include only patients who were followed up at 30 days. The 30 days should be calculated from the [Episode of admitted patient care—admission date, DDMMYYYY](https://meteor.aihw.gov.au/content/269967), from the initial episode for the definitive treatment of the hip fracture.  Note that re-operation may be to the hospital at which the patient had surgery for their hip fracture, or to another hospital. This relies on linked data and/or the use of a unique identifier preferably across a geographic region at which patients are likely to re-present (for example, a [Local Hospital Network](https://meteor.aihw.gov.au/content/491016)).  Both the numerator and the denominator exclude patients who died during the hip fracture episode, that is, where [Episode of admitted patient care—separation mode, code N](https://meteor.aihw.gov.au/content/270094) = 8 Died) or were deceased at the 30-day follow-up. |
| Computation: | (Numerator ÷ denominator) x 100 |
| Numerator: | Number of patients with a hip fracture requiring re-operation within 30 days from admission for the acute hip fracture episode of care. |
| Denominator: | Number of patients admitted to hospital with a hip fracture in a period that is at least 30 days prior to the period for which re-operations are being counted. |
| Comments: | For hospitals collecting the Australian and New Zealand Hip Fracture Registry (ANZHFR) data set (ANZHFR Steering Group 2013), the variable *Re-operation within 30-day follow-up* can be used for the numerator of this indicator. |
| Representational attributes | |
| Representation class: | Percentage |
| Data type: | Real |
| Unit of measure: | Service event |
| Format: | N[NN] |
| Source and reference attributes | |
| Submitting organisation: | Australian Commission on Safety and Quality in Health Care |
| Reference documents: | Luthje P, Helkamaa T, Nurmi-Luthje I, Kaukonen JP & Kataja M 2014. An 8-year follow-up study of 221 consecutive hip fracture patients in Finland: analysis of reoperations and their direct medical costs. Scandinavian journal of surgery: SJS: Official Organ for the Finnish Surgical Society and the Scandinavian Surgical Society 103(1):46-53.  ANZHFR (Australian and New Zealand Hip Fracture Registry) Steering Group 2013. Data dictionary. Sydney: ANZHFR. Viewed 5 May 2016, [http://www.anzhfr.org/images/resources/Data%20Dictionary%20v8% 20Dec%202013.pdf](http://www.anzhfr.org/images/resources/Data%20Dictionary%20v8%20Dec%202013.pdf). |